

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
DIPLOMA ENGINEERING – SEMESTER – IV-EXAMINATION – WINTER 2015

Subject Code: 3345504

Date: 07/12/2015

Subject Name: Welding Technology-II

Time: 02:30 PM TO 5:00 PM

Total Marks: 70

Instructions:

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Each question carry equal marks (14 marks)

- Q.1** (a) Draw neat sketch and Explain working of GMAW Process. **07**
(b) Describe Principle of GTAW process with neat sketch. **07**
- Q.2** (a) Explain working of CO₂ welding Equipment with neat sketch. **07**
(b) Draw neat sketch of Wire feed Mechanism of GMAW Process. **07**
- OR
- (b) Describe Working of GMAW torch with neat sketch. **07**
- Q.3** (a) Describe principle of FCAW with neat sketch. **07**
(b) State advantages, limitations and applications of PAW. **07**
- OR
- Q.3** (a) Draw neat sketch and Explain functions of flux cored wire. **07**
(b) Describe Principle of PAW with neat sketch. **07**
- Q.4** (a) State advantages, limitations and applications of Stud Welding. **07**
(b) Describe EBW Process with neat sketch. **07**
- OR
- Q.4** (a) Describe LBW Process with neat sketch. **07**
(b) Describe Atomic Hydrogen Welding. Explain its working. **07**
- Q.5** (a) Draw neat sketch of Ultrasonic Welding. Explain its working. **07**
(b) Draw WPS format. Describe meaning of its detail. **07**
- OR
- Q.5** (a) Prepare List of SEVEN common weld defects. State its Causes and Remedies. **07**
(b) Write Index of ASME section-IX. State applications of ASME. **07**
